

IN THE CLAIMS:

Would the Office kindly enter the following amended claims.

1.(currently amended) A method for the treatment of pig manure using quarry fines,

comprising consisting essentially of the steps of:

allowing said pig manure to decant in a tank;

separating said pig manure into a solids portion and a liquid portion;

mixing said liquid portion with said quarry fines for a period of time sufficient to reduce the phosphor content thereof; and

separating said liquid portion from said quarry fines to provide a liquid suitable for use as a fertilizer.

2.(previously presented) The method of Claim 1 wherein said quarry fines and liquid portion are mixed for at least 30 minutes.

3.(previously presented) The method of Claim 2 further including the step of measuring the nitrogen and phosphorus content of said pig manure prior to separating said waste water into a solids portion and liquid portion.

4.(previously presented) The method as defined in Claim 3 wherein the ratio of nitrogen to P_2O_5 is between 5 and 7.

5.(previously presented) The method of Claim 1 wherein said liquid portion is mixed with said quarry fines without any pre-treatment.

6.(previously presented) The method of Claim 1 wherein the step of separating said pig manure comprises the step of passing said liquid manure through an endless screw separator wherein the liquid pig manure is forced through a filter under a pressure.

7.(previously presented) The method of Claim 1 wherein said step of separating said pig manure into a solids portion and liquid portion comprises the step of centrifuging said liquid pig manure.

8.(previously presented) The method of Claim 1 wherein the step of separating said liquid from said quarry fines comprises the step of placing said quarry fines on a sloping surface.

9.(previously presented) The method of Claim 2 wherein said treatment is carried out using mobile equipment at a farm producing said pig manure.

10.(cancelled)

11.(new) A method for the use of quarry fines comprising the steps of:
allowing said pig manure to decant in a tank;
separating said pig manure into a solids portion and a liquid portion;
mixing said liquid portion with said quarry fines for a period of time sufficient to reduce the phosphor content thereof; and
separating said liquid portion from said quarry fines to provide a liquid suitable for use as a fertilizer.

12.(new) The method of Claim 11 where wherein said quarry fines and liquid portion are mixed for at least 30 minutes.

13.(new) The method of Claim 12 further including the step of measuring the nitrogen and phosphorus content of said pig manure prior to separating said waste water into a solids portion and liquid portion.

14.(new) The method as defined in Claim 13 wherein the ratio of nitrogen to P₂O₅ is between 5 and 7.

15.(new) The method of Claim 11 wherein said liquid portion is mixed with said quarry fines without any pre-treatment.

16.(new) The method of Claim 11 wherein the step of separating said pig manure comprises the step of passing said liquid manure through an endless screw separator wherein the liquid pig manure is forced through a filter under a pressure.

17.(new) The method of Claim 11 wherein said step of separating said pig manure into a solids portion and liquid portion comprises the step of centrifuging said liquid pig manure.

18.(new) The method of Claim 11 wherein the step of separating said liquid from said quarry fines comprises the step of placing said quarry fines on a sloping surface.

19.(new) The method of Claim 12 wherein said treatment is carried out using mobile equipment at a farm producing said pig manure.